25X1

CLASSIFICATION S-E-C-R-E-T

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY	East Germany	DATE DISTR.	21 March 1955
SUBJECT	Three-Five Compounds Research at the Academy Institute for Research on the Physics of Solids, Berlin-Buch	NO. OF PAGES	2
PLACE ACQUIRED		NO. OF ENCLS. (LISTED BELOW)	25X1
DATE OF INFO.		SUPPLEMENT TO REPORT NO.	25X1

THIS IS UNEVALUATED INFORMATION 25X1

1. The Chemical Department of the Academy Institute for Research on the Physics of Solids (Festkoerperforschung) in Berlin-Buch, which was formerly headed by Prof. [redacted] and which remained without a head for some time, is now headed by Dr. Paetz (fnu) who joined the institute in November 1954. Dr. Paetz came from East German industry; he was formerly occupied in an unspecified enterprise producing aluminum oxide.

2. Research in the Chemical Department is mainly concentrated on Three-Five compound research. While this work is under the supervision of Paetz, it is actually carried out by laboratory assistant Sauvageot[2] (fnu) who, in spite of his non-academic standing, is considered the best institute expert in this field.

3. Aluminum-antimonide monocrystals developed by Sauvageot are now studied for their electrical and optical qualities in the Optical Department of the institute. In addition Sauvageot is working on the development of aluminum-arsenide monocrystals but this development has not yet been completed because the institute has so far been unable to purify arsenic to the degree required. Development of indium-antimonide crystals is also in the process but not yet completed.

4. In addition Sauvageot is now engaged in the development of indium-phosphide monocrystals. The institute has a sufficient supply of black phosphorous. This substance will serve for general study of the semiconductor qualities of black phosphorous and for the making of indium-phosphide monocrystals. Sauvageot has not yet succeeded in developing indium-phosphide monocrystals, but he is expected to complete the development successfully in the near future.

1. [redacted] Comment. Now head of the Institute for Organic Chemistry of Berlin-Humboldt University. 25X1

2. [redacted] 25X1

[redacted]

STATE	#	x	NAVY	x	NSRB		DISTRIBUTION			ORR Ev	x				
ARMY	#	x	AIR Ev#	x	FBI										

25X1

CLASSIFICATION S-E-C-R-E-T

CENTRAL INTELLIGENCE AGENCY REPORT [redacted] 25X1

INFORMATION REPORT CD NO.

COUNTRY East Germany

DATE DISTR. 21 March 1955

SUBJECT Three-Five Compounds Research at the Academy Institute for Research on the Physics of Solids, Berlin-Buch

NO. OF PAGES 2

PLACE ACQUIRED [redacted]

NO. OF ENCLS. (LISTED BELOW) 25X1

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

[redacted] 25X1

THIS IS UNEVALUATED INFORMATION

[redacted]

1. The Chemical Department of the Academy Institute for Research on the Physics of Solids (Festkoerperforschung) in Berlin-Buch, which was formerly headed by Prof. Otto Neunhoffer[1] and which remained without a head for some time, is now headed by Dr. Paetz (fnu) who joined the institute in November 1954. Dr. Paetz came from East German industry; he was formerly occupied in an unspecified enterprise producing aluminum oxide.

2. Research in the Chemical Department is mainly concentrated on Three-Five compound research. While this work is under the supervision of Paetz[2], it is actually carried out by laboratory assistant Sauvageot (fnu) who, in spite of his non-academic standing, is considered the best institute expert in this field.

3. Aluminum-Antimonide monocrystals developed by Sauvageot are now studied for their electrical and optical qualities in the Optical Department of the institute. In addition Sauvageot is working on the development of aluminum-arsenide monocrystals but this development has not yet been completed because the institute has so far been unable to purify arsenic to the degree required. Development of indium-antimonide crystals is also in the process but not yet completed.

4. In addition Sauvageot is now engaged in the development of indium-phosphide monocrystals. The institute has a sufficient supply of black phosphorous. This substance will serve for general study of the semiconductor qualities of black phosphorous and for the making of indium-phosphide monocrystals. Sauvageot has not yet succeeded in developing indium-phosphide monocrystals, but he is expected to complete the development successfully in the near future.

1. [redacted] Comment. Now head of the Institute for Organic Chemistry of Berlin-Humboldt University. 25X1

2. [redacted] 25X1

CLASSIFICATION S-E-C-R-E-[redacted]

STATE	x	NAVY	x	NSRB		DISTRIBUTION			ORR Ev	x			
ARMY	x	AIR Ev	x	FBI									

[redacted] 25X1

Next 1 Page(s) In Document Denied